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EVIRNET™ Quick Start Guide

The Zonar Systems® EVIRNET™ is a wireless transmit-and-receive system used to allow wireless transmission of EVIR® data from one or more EVIRNET™ Vehicle Mounts to a Microsoft® Windows®-based computer workstation equipped with the Zonar Systems® ZonarCom 3™ software application and an EVIRNET™ Base Station.

EVIRNET™ Base Stations are provided with one an AC adapter, a serial cable of suitable length for your application, and an externally mounted antenna kit (kit includes a 50ft. extension cable, a 2ft adapter cable, a lightning suppressor, and an externally mountable antenna).

EVIRNET™ Vehicle Mounts are equipped with a quick-connect power cord, and are provided with a matching quick connect power cable to wire into the vehicle, as well as an antenna suitable for your application.

This guide will lead you through installation of the EVIRNET™ Base Station on a Microsoft® Windows® computer workstation running the ZonarCom 3™ application software, and configuration and installation of the EVIRNET™ Vehicle Mount in your Zonar Systems®-equipped vehicles.

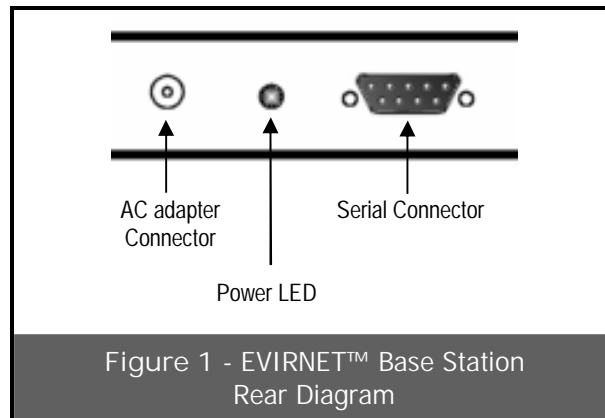
Contents	Page
EVIRNET™ Base Station Installation.....	2
Optional EVIRNET™ Base Station Accessories	4
EVIRNET™ Vehicle Mount Installation	5
Prep: Printing Your Asset List for Logging Radio IDs	5
Part I: Installing the EVIRNET™ Vehicle Mount in the vehicle(s).....	5
Optional EVIRNET™ Radio Vehicle Mount Accessory.....	7
Part II: Adding the EVIRNET™ Vehicle Mount Radio Addresses into EVIRSOFT®	8

EVIRNET™ Base Station Installation



The EVIRNET™ Base Station is a radio transceiver (transmitter/receiver) designed to enable a Microsoft® Windows®-based computer workstation running the ZonarCom 3™ software application to communicate with other EVIRNET™ devices.

To set up your EVIRNET™ Base Station, follow these simple procedures:



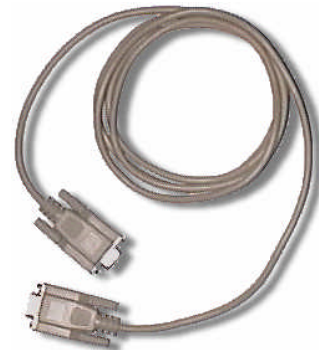
1. Plug the male end of the 9-pin serial cable provided (similar to cable pictured at right) into the serial connector on the back of the EVIRNET™ Base Station (see figure 1).

NOTE: Recommended maximum length of 9-Pin serial cable is 100ft from EVIRNET™ Base Station to computer.

2. Plug the female end of the 9-pin serial cable into an available serial port on the back of the computer workstation that is running ZonarCom 3™.

NOTE: To connect the EVIRNET™ Base Station to a USB port on the PC, a USB to Serial converter may be used. See the “Optional EVIRNET™ Base Station Accessories” section for an example.

3. Locate the EVIRNET™ Base Station AC adapter (pictured at right), and plug it into a 110V AC outlet or power strip.
4. Plug the other end of the AC adapter cord into the AC adapter connector on the back of the EVIRNET™ Base Station (see Figure 1).





5. The included external antenna kit contains an extended range antenna that can be mounted up to 52 feet (max. recommended distance) from the base station. This allows elevated mounting for enhanced yard coverage. Mount the external antenna, and then connect the antenna cable to the threaded connector on the front panel of the base station, opposite the serial connection.



Externally mounted antenna kit.

6. On the computer workstation that the EVIRNET™ Base Station is now connected to, start the ZonarCom 3™ software application. For information on downloading ZonarCom 3™, as well as system requirements and documentation, please use your web browser to navigate to <http://www.zonarsystems.com/support/>, and visit the "Available Downloads" area.

7. With your mouse, right-click the ZonarCom 3™ application icon ( or ) down in the system tray (near the clock on the taskbar of the Microsoft® Windows® computer workstation). From the menu, choose "Settings" -> "Configuration...". You will be presented with a dialog similar to the one below.

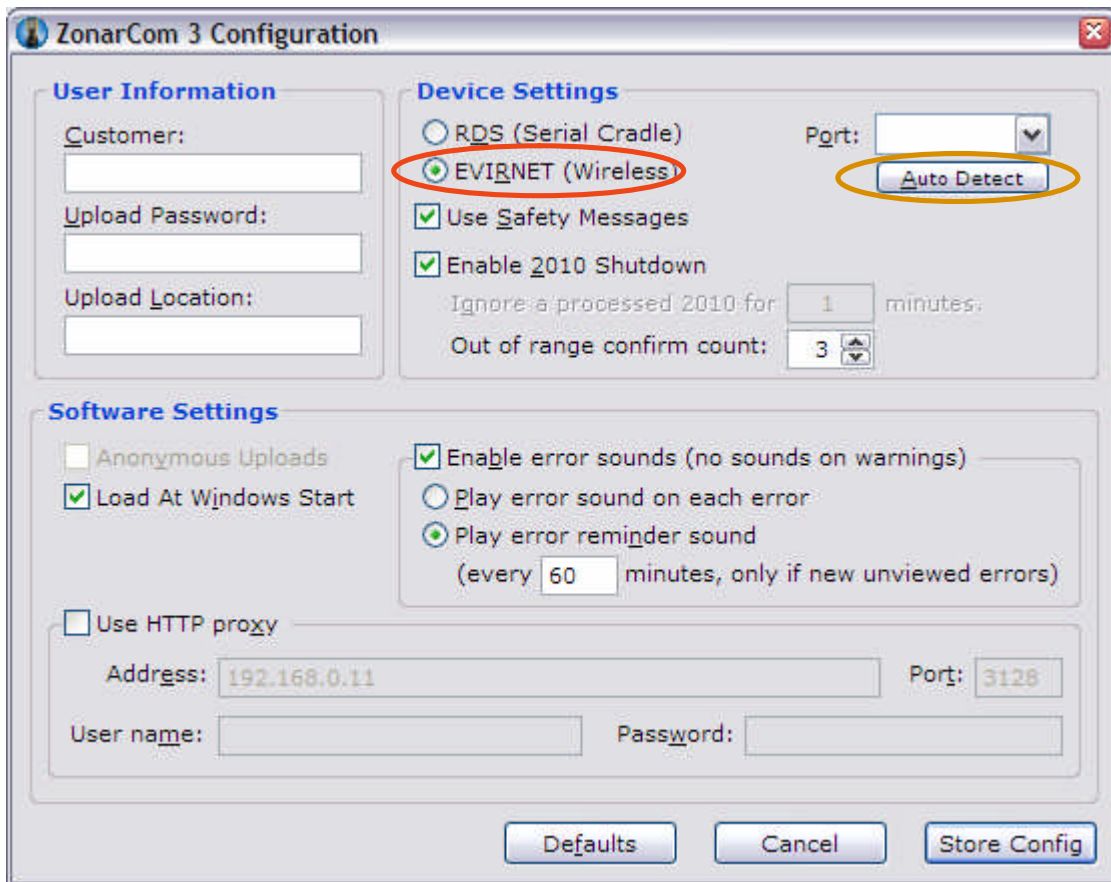


Figure 1

8. With the EVIRNET™ Base Station connected to the workstation computer and its power LED lit (see Figure 1), select the "**EVIRNET (Wireless)**" option button from the configuration dialog, and then press the "**Auto Detect**" button. If the EVIRNET™ Base Station is properly connected to a working serial port on the computer workstation, and the power to the EVIRNET™ Base Station is on, ZonarCom 3™ will automatically find the base station, at which point a dialog will pop up indicating, "Successfully found device on COM[N]", and port that it was found on will be selected in the "**Port:**" field. If the EVIRNET™ Base Station was not found, an error dialog will be presented, and you will need to recheck all steps in this section, then try the auto-detect function again. If problems persist, please call Zonar Systems, LLC, at 1-877-THE-EVIR, or email Zonar Systems Support at support@zonarsystems.com.

Congratulations! The EVIRNET™ Base Station installation is now complete. Please continue on to the EVIRNET™ Vehicle Mount Installation section.

Optional EVIRNET™ Base Station Accessories

USB to Serial Converter



Connect a serial device, such as the serial EVIRNET™ Base Station, to any available USB port on a PC running Microsoft® Windows® NT 4 SP 6. Use this option if your PC has USB ports available, but does not have any serial ports, or all serial ports on the PC are in use.

2 Meter Antenna Extension Cable



The extension cable allows mounting of a standard 8" antenna up to 2 meters away from the base station. With the 2 meter extension cable, placement of the antenna in a better reception location, perhaps in a window above a desk or closer to an outside wall, may be possible.

EVIRNET™ Vehicle Mount Installation



The EVIRNET™ Vehicle Mount is a fully automatic charger, power cradle and wireless transceiver for use with the Zonar® 2010 handheld RFID reader and the EVIRNET™ Base Station. It is designed to be wired to a persistent power source so that it is “on” all the time.

Installation of the EVIRNET™ Vehicle Mount consists of the following general areas:

- Prep: Printing Your Asset List for Logging Radio IDs.
- Part I: Installing the EVIRNET™ Vehicle Mounts in the vehicle(s).
- Part II: Adding the EVIRNET™ Vehicle Mount radio address to your customer database in EVIRSOFT®.

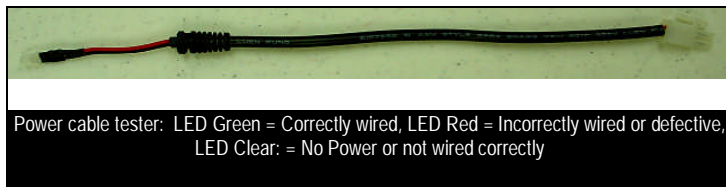
Prep: Printing Your Asset List for Logging Radio IDs

If you are installing EVIRNET™ Vehicle Mounts in several vehicles, a good preliminary step to this process is to print out your radio list from your EVIRSOFT® database. Follow steps 1-4 of “*Part II: Adding the EVIRNET™ Vehicle Mount radio address to your customer database in EVIRSOFT®*”. After Step 4, check the “Show All” checkbox, and hit “Refresh”, then print the resulting list. This will show you all the asset IDs with blanks for you to write their corresponding Radio IDs. When each EVIRNET™ Vehicle Mount is installed in an asset vehicle, write the Radio ID for that vehicle mount next to the asset ID for the vehicle.

Part I: Installing the EVIRNET™ Vehicle Mount in the vehicle(s)

For each EVIRNET™ Vehicle Mount to be installed, perform the following:

1. Using the supplied power cable (pictured at right), connect the stripped end of the cable into a constant, non-switched 12V DC supply line on the vehicle,
2. Check the wiring connection with Zonar Supplied cable tester, and ensure full 12V DC power level to power cable.



3. Mount the EVIRNET™ Vehicle Mount in the vehicle with adhesive or screws.

IMPORTANT: For best reception Zonar® Systems recommends mounting EVIRNET™ Vehicle Mount so that the 8" duck antenna is as close to a window as possible. See the "Optional EVIRNET™ Vehicle Mount Accessory" section for alternate antenna option.

4. Plug the quick connector on the power cable into the quick connector on the EVIRNET™ Vehicle Mount power cord (see picture at right).
5. **IMPORTANT:** Look at the front of the EVIRNET™ Vehicle Mount you have just installed, and, next to the asset ID on your list that now contains it, note the Radio ID (found on the label on the front, similar to the label pictured below).



When you have installed all EVIRNET™ Vehicle Mounts, continue on to "Part II" of this section.

Optional EVIRNET™ Vehicle Mount Accessory

2 Meter Antenna Extension Cable.

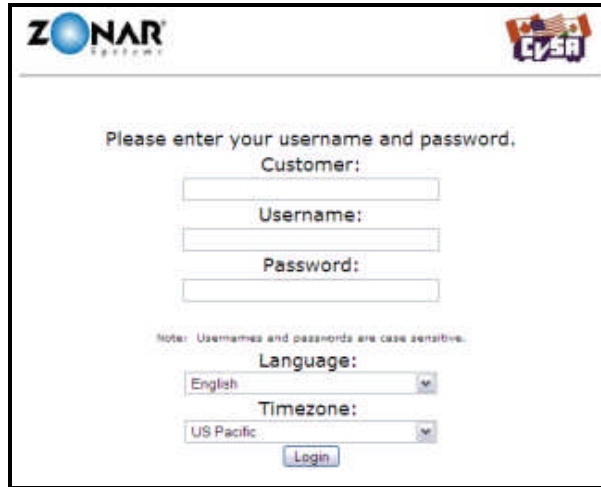


Due to differing mounting location requirements for the EVIRNET™ Vehicle Mount, Zonar Systems® does offer an optional 2 meter antenna extension cable. (Mounting clips will be provided with purchase). This provides more options for Radio Vehicle Mount mounting location while not compromising EVIRNET™ data transmission.

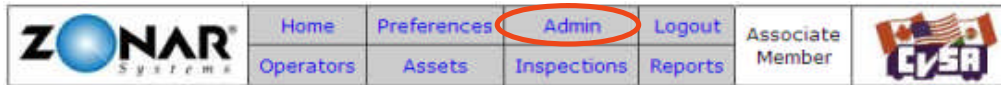
Part II: Adding the EVIRNET™ Vehicle Mount Radio Addresses into EVIRSOFT®

Perform the following procedure for each of the EVIRNET™ Vehicle Mount radios that are in service:

1. Log into your EVIRSOFT® account.



2. From the main menu bar at the top of the home page, select the “Admin” item.



3. On the resulting page, select the “Admin Assets” option.



Admin Operators	Admin Assets (circled in red)	Admin Users	Admin Expiry	Admin Aux Data
Bad Report Log	Failed Login Log	Failed Actions Log	Sessions Log	Repair Notes
Safety Message	Admin Locations			

- On the resulting Zonar Systems® Assets page, select the "Radio Addresses" option.

	Home	Preferences	Admin	Logout	Associate Member	
	Operators	Assets	Inspections	Reports		

Admin Operators	Admin Assets	Admin Users	Admin Expiry	Admin Aux Data
Bad Report Log	Failed Login Log	Failed Actions Log	Sessions Log	Repair Notes
Safety Message	Admin Locations			
Add an Asset	Radio Addresses			

- On the resulting Manage Asset Radios page, find each asset that has a new EVIRNET™ Vehicle Mount installed in it, and enter the corresponding Radio ID into the slot in the "Address" column next to that asset. When all assets have been updated, press the "Update" button to store the new radio addresses into the asset records.

	Home	Preferences	Admin	Logout	Associate Member	
	Operators	Assets	Inspections	Reports		

Admin Operators	Admin Assets	Admin Users	Admin Expiry	Admin Aux Data
Bad Report Log	Failed Login Log	Failed Actions Log	Sessions Log	Repair Notes
Safety Message	Admin Locations			
Add an Asset	Radio Addresses			

<input type="checkbox"/> Show All		<input type="button" value="Refresh"/>									
Row 1 to 20 of 154											
	First	1	2	3	4	5	6	7	8	Last	>>> Next
Asset No.	Address										
ZAsset Stats	1										
TEST1											
DT 1000050											
7730											
7451											
7450											
7449											
<input type="button" value="Update"/>	<input type="button" value="Cancel"/>										

Congratulations! If all steps in this section were successful, your EVIRNET™-equipped assets should begin showing up in the Radio Status dialog in ZonarCom 3™. To refresh the known list of radio assets in ZonarCom 3™, open the Radio Status dialog and hit the "**Refresh**" button. To open the Radio Status dialog, right-click on the ZonarCom 3™ icon in the system tray, and from the menu, select "**Status**" -> "**Radio...**".

